



- NA • Sensitivity Check (MDL Study or LFB).
- \* • PE Samples/Accuracy Check.
- \* • Target Compound Identification.
- \* • Sample Quantitation and Reported Quantitation Limits.
- NA • TICs.
- \* • SVOC and PEST/PCB Cleanup.
- \* • System Performance.
- NA • SEDD/ADR.

\* = No qualifications will be applied based on this parameter.

Table I summarizes overall evaluation of the data with reference to the DQO and potential usability issues. Qualified data are summarized in Data Summary Tables 1 and 2.

### **Overall Evaluation of Data and Potential Usability Issues**

See Table I for overall evaluation of data and potential usability issues.

### **PE Samples/Accuracy Check**

The criteria used by START for qualification of sample data based on the PE sample results are as follows:

PE Score	Action	
	Non-Detects	Positive Results
In Window	Accept	Accept
Warning Low/High	Accept	Accept
Action Low	Reject (R)	Estimate (J)
Action High	Accept	Estimate (J)
TCL Misses	Reject (R)	Varies
TCL Contaminants	Accept	Varies
TIC Misses	Varies	Varies
TIC Contaminants	Varies	Varies

All non-compliant PE scores were investigated by checking raw data, calculations, calibrations, possible matrix interferences, and blank contamination. Unless otherwise noted, all results reported by the laboratory were found to be correct, based on the data generated by the laboratory.

The laboratory properly identified and quantified the soil Aroclor-1242 PE sample (A4C31, PE No. ASX0179). No qualifications were applied.

The laboratory properly identified and quantified the soil Aroclor-1242 PE sample (A4C20, PE No. ASX0182). No qualifications were applied.

The laboratory properly identified and quantified the soil Aroclor-1254 PE sample (A4C21, PE No. AS1486). No qualifications were applied.

The laboratory properly identified and quantified the soil Aroclor-1248 PE sample (A4C32, PE No. AS1431). No qualifications were applied.

#### **Sample Quantitation and Reported Quantitation Limits**

The percent moisture for sediment samples A4C22 and A4C23 was greater than 70% but less than 90%. The SOW indicates in Exhibit D, Aroclors, Section 10.1.4.3.2, that if a sample contains greater than 65% moisture, the laboratory may use up to 50 grams without contacting the Sample Management Office (SMO). Per direction of the Region, these two samples were re-extracted, re-analyzed, and validated in this SDG. A 50-gram extraction weight was used. These samples were originally validated in SDG A4C19.

Ms. Martha Bosworth  
21 August 2013  
Page 4

Case 43395; SDG A4C22

Please contact the undersigned at (978) 552-2100 if you have any questions or need further information.

Very truly yours,

WESTON SOLUTIONS, INC.  
Region I START



William W. Mahany  
Principal Project Scientist



John Burton  
Lead Chemist

email cc: Jennifer Feranda (CLP PO - Region II) - DV Letter w/Data Tables, and ORDA Form only –  
[Feranda.jennifer@epa.gov](mailto:Feranda.jennifer@epa.gov)

Attachments: Table I: Overall Evaluation of Soil Data  
Data Summary Key  
Acronym List  
Data Summary Table 1  
DV Worksheets  
PE Sample Score Reports (included in DV worksheets)  
Field Sampling Notes (including a copy of sampler's COC Records)  
CSF Audit (DC-2 Form) - Evidence Audit Photocopy (Including CSF Receipt/Transfer Form)  
DQO Summary Form

S:\12100008\Analytical\Case\_43395\A4C22\A4C22\_val\_.doc



TABLE I

**JARD COMPANY INC**  
**Case No. 43395; SDG No. A4C22**

**Overall Evaluation of Soil Data**

AROCLORs					
DQO (list all DQOs)	Sampling and/or Analytical Method Appropriate Yes or No	Measurement Error		Sampling Variability**	Potential Usability Issues
		Analytical Error	Sampling Error*		
1. To obtain sufficient data from surface and subsurface soil samples collected at the Jard Company site for PCB (Aroclor) analysis, to document potential source areas located on and off the property, and to document contamination in the soil and sediment associated with source areas located on the property.	<i>Analytical Method:</i>  Yes, SOM01.2  <i>Sampling Method:</i>  Yes, Hand Augers, and Stainless Steel Scoops.	Refer to qualifications in attached Data Summary Table 1.	Refer to qualifications in attached Data Summary Table 1.		None.

\* The evaluation of "sampling error" cannot be completely assessed in data validation.

\*\* Sampling variability is not assessed in data validation.

**DATA SUMMARY KEY**  
**ORGANIC DATA VALIDATION**

- J = The associated numerical value is an estimated quantity.
- R = The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. The R replaces the numerical value or SQL.
- U = The compound was analyzed for, but not detected. The associated numerical value is the SQL or the adjusted SQL.
- UJ = The compound was analyzed for, but not detected. The associated numerical value is the estimated SQL.
- EB = The compound was identified in an aqueous EB that was used to assess field contamination associated with soil/sediment samples.
- TB = The compound was identified in an aqueous TB that was used to assess field contamination associated with soil/sediment samples.
- BB = The compound was identified in an aqueous BB that was used to assess field contamination associated with soil/sediment samples.

## ACRONYM LIST ORGANIC DATA VALIDATION

AQ	aqueous	SQL	Sample Quantitation Limit
AQ FB	aqueous field blank	S/S	soil/sediment
BB	Bottle Blank	S/S (m)	soil/sediment medium level
B/N	base/neutral compound	START	Superfund Technical Assessment and Response Team
°C	degrees Celsius	SVOC	semivolatile organic compound
CC	Continuing Calibration	SW	surface water
CCV	Continuing Calibration Verification	TB	Trip Blank
CLP	Contract Laboratory Program	TCL	Target Compound List
COC	Chain-of-Custody record	TDD	Technical Direction Document
COR	Contracting Officer Representative	TIC	Tentatively Identified Compound
CRQL	Contract Required Quantitation Limit	TR	Traffic Report
CSF	Complete SDG File	VOC	volatile organic compound
%D	percent difference	WESTON	Weston Solutions, Inc.
DAS	Delivery of Analytical Services		
DMC	Deuterated Monitoring Compound		
DQO	Data Quality Objective		
DV	Data Validation		
DW	drinking water		
EB	Equipment Blank		
EPA	Environmental Protection Agency		
GC/ECD	Gas Chromatograph/Electron Capture Detector		
GC/MS	Gas Chromatograph/Mass Spectrometry		
GW	groundwater		
IC	Initial Calibration		
IS	Internal Standard		
kg	kilogram		
L	liter		
LCS	Laboratory Control Sample		
LFB	Laboratory Fortified Blank		
MDL	Method Detection Limit		
µg	microgram		
MS	Matrix Spike		
MSD	Matrix Spike Duplicate		
NA	Not Applicable		
ND	non-detected result		
ng	nanogram		
NERL	New England Regional Laboratory		
OSC	On-Scene Coordinator		
ORDA	Organic Regional Data Assessment		
PAH	polynuclear aromatic hydrocarbon		
PCB	polychlorinated biphenyl compound		
PEST/PCB	pesticide/polychlorinated biphenyl compound		
PE	Performance Evaluation		
Pos	positive result		
QC	Quality Control		
%R	percent recovery		
RPD	Relative Percent Difference		
RRF	Relative Response Factor		
RSD	Relative Standard Deviation		
SDG	Sample Delivery Group		
SOW	Statement of Work		
HRS Reference #76			

SITE: JARD COMPANY INC  
CASE: 43395 SDG: A4C22  
LABORATORY: CHEMTECH  
CONSULTING GROUP

DATA SUMMARY TABLE 1  
AROCOR IN SOIL ANALYSIS  
µg/Kg

SAMPLE NUMBER			A4C22	A4C23				
SAMPLE LOCATION			SD-51	SD-50				
STATION LOCATION			JCS-559	JCS-556				
LABORATORY NUMBER			E1925-04	E1925-05				
COMPOUND	MDL	CRQL						
Aroclor-1016	1.8	33	71 U	120 U				
Aroclor-1221	5.4	33	71 U	120 U				
Aroclor-1232	0.90	33	71 U	120 U				
Aroclor-1242	4.3	33	71 U	120 U				
Aroclor-1248	1.9	33	71 U	120 U				
Aroclor-1254	2.2	33	71 U	120 U				
Aroclor-1260	2.2	33	71 U	120 U				
Aroclor-1262	9.8	33	71 U	120 U				
Aroclor-1268	4.6	33	71 U	120 U				
DILUTION FACTOR			1.0	1.0				
DATE SAMPLED			4/16/2013	4/16/2013				
DATE EXTRACTED			5/31/2013	5/31/2013				
DATE ANALYZED			6/3/2013	6/3/2013				
SAMPLE WEIGHT (GRAMS)			50.0	50.1				
% SOLID			28.0	17.0				

NOTES: µg/Kg = micrograms per Kilogram  
All results are reported on a Dry Weight Basis.  
CRQL = Contract Required Quantitation Limit  
MDL = Method Detection Limit  
U = Value is Non-Detected.  
UJ = Value is Non-Detected, and Detection Limit is Estimated.  
J = Value is Estimated.  
R = Value is Rejected.  
\* = Reported value is from diluted analysis.

**REGION I, EPA-NE ORGANIC REGIONAL DATA ASSESSMENT (ORDA)\***

Case No.: 43395  
 SDG No.: AYC22  
 Lab Name: Chemtech  
 SOW#/Contract#: SOM01.2  
 EPA-NE DV Tier Level: Tier II  
 TPO/PO: \*\*ACTION      FYI     

Site Name: Jard Company Inc  
 No. of Samples/Matrix: 2/5ED  
 Validation Contract: WESTON  
 Validator's Name: Mahony  
 Date DP Rec'd by EPA-NE:       
 DV Completion Date: 7/16/13

**ANALYTICAL DATA QUALITY SUMMARY**

	VOC	SVOC	PEST	ARO
1. Preservation and Contractual Holding Times:				
2. GC/MS / GC/ECD Instrument Performance Check:				
3. Initial Calibration:				
4. Continuing Calibration:				
5. Blanks:				
6. DMCs or Surrogate Compounds:				
7. Internal Standards:				
8. Matrix Spike/Matrix Spike Duplicate:			NA	NA
9. Sensitivity Check:				
10. PE samples - Accuracy Check:				
11. Target Compound Identification:	NA	NA		
12. Compound Quantitation and Reported QLs:				
13. Tentatively Identified Compounds:			NA	NA
14. Semivolatile Cleanup/Pesticide/PCB Cleanup:	NA			
15. Data Completeness:				
16. Overall Evaluation of Data:				

o = Data had no problems or were qualified due to minor contractual problems.  
 m = Data were qualified due to major contractual problems.  
 z = Data were rejected as unusable due to major contractual problems.

**Action Items (z items):**

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**Areas of Concern (m items):**

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**Comments:**

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\*This form assesses the analytical data quality in items of contractual compliance only. It does not assess sampling errors and/or non-contractual analytical issues that affect data quality.

\*\* Check "ACTION" only if contractual defects resulted in reduced payment/data rejection recommendations.

Validator: Mahony

Date: 7/8/13

⑩

Site Name: Jard Company Inc  
TDD No.: 12-10-0008  
Task No.: 0450

REGION I ORGANIC DATA VALIDATION

The following data package has been validated:

Lab Name: Chematech Consulting GRP SOW #/Contract #: SOM01.2  
Case No.: 43395 Sampling Dates: 4/16/13  
SDG No.: A4C22 Shipping Dates: 4/18/13  
No. of Samples/Matrix: \_\_\_\_\_ Date Rec'd by Lab: 4/19/13

Traffic Report Sample Nos: A4C22, C23  
\_\_\_\_\_  
Trip Blank No.: \_\_\_\_\_  
Equipment Blank No: \_\_\_\_\_  
Field Duplicate Nos: \_\_\_\_\_  
PE Nos: \_\_\_\_\_

The Region I, EPA - NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, revision 12/96 was used to evaluate the data and/or approved modifications to the EPA - NE Functional Guidelines were used to evaluate the data and are attached to this cover page: (attached modified criteria from EPA approved QAPjP or amendment to the QAPjP).

A Tier II or a Tier III evaluation was used to validate the data. If a Tier II validation with a partial Tier III was used, then identify samples, parameters, etc. that received partial Tier III validation:

The data were evaluated based upon the following parameters:

- Overall Evaluation of Data
- Data Completeness (CSF Audit - Tier I)
- Preservation and Technical Holding Times
- GC/MS and GC/ECD Instrument Performance Check
- Initial and Continuing Calibrations
- Blanks
- Surrogate Compounds
- Internal Standards
- Matrix Spike/Matrix Spike Duplicate
- Field Duplicates
- Sensitivity Check
- PE Samples/Accuracy Check
- Target Compound Identification
- Compound Quantitation and Reported Quantitation Limits
- TICs
- Semivolatile and Pesticide/PCB Cleanup
- System Performance

Region I Definitions and Qualifiers:

A - Acceptable Data  
J - Numerical value associated with compound is an estimated quantity.  
R - The data are rejected as unusable. The R replaces the numerical value or sample quantitation limit.  
U - Compound not detected at that numerical sample quantitation limit.  
UJ - The sample quantitation limit is an estimated quantity.  
TB, EB - Compound detected in aqueous trip blank or aqueous equipment blank associated with soil/sediment samples.

Validator's Name: M. Mary Company Name: WESTON Phone Number: 978-552-2100  
Date Validation Started: 7/9/13 Date Validation Completed: 7/10/13

VOA/SV Worksheets:

*NA*

@

NA  
@  
NA

\*

Handwriting practice sheet for the letter 'a' on lined paper. The sheet contains 15 rows of lines. The first row is pre-filled with a lowercase 'a'. The remaining 14 rows are for practice, each containing a lowercase 'a' followed by a checkmark. The 'a's are written in a cursive style. At the bottom of the sheet, there is a section for the word 'cine' with a star and a checkmark, and a section for the word 'a' with a checkmark.

Date: 7/9/13

Contacted: Yes ☐ No ☒ Date: \_\_\_\_\_

Circle sample numbers with exceeded technical holding times or omitted preservation.  
List all required preservation codes and circle omitted preservation codes.  
Circle all exceeded technical holding times.  
Identify extraction technique after "# of Days"/(\*Extraction Code).

$$\begin{array}{r} 14 \\ 31 \\ \hline 45 \end{array}$$
[illegible]

AQ - Aqueous  
S/S - Soil/Sediment  
AQ FB - Aqueous Field Blank

\* = Re-extraction per request, hold time acceptable.

Date: 7/9/13





# PES SCORING EVALUATION REPORT

PES ASX0182

Rev: 1

EPA Sample No.: A4C20

Report Date: 05/13/2013

Page 1 of 1

Lab Name: Chemtech Consulting Group

Contract: EPW11030

SDG No.: A4C19

Lab File ID: PO008786.D

Date Analyzed: 04/25/2013

Decanted: No

Injection Vol. (uL): 1.0

Sulfur Cleanup: No

Case No.: 43395

Matrix: Soil

Date Received: 04/19/2013

Sample Wt./Vol. (g/mL): 30:0 g

Extraction Type: SOXH

GPC Cleanup: No

Dilution Factor: 1.0

Lab Code: CHEM

SAS/Client No.: NA

Lab Sample ID: E1925-02

Date Extracted: 04/23/2013

% Moisture: 0.0

Conc. Extract Vol. (uL): 10000

pH: NA

Units: ug/Kg

Analysis Method: SOM01.2

Scoring Method: SOM01.2

Comments:

[illegible]

# PES SCORING EVALUATION REPORT

PES AS1486

Rev: 1 EPA Sample No.: A4C21

Report Date: 05/13/2013

Page 1 of 1

Lab Name: Chemtech Consulting Group

Lab Code: CHEM

Contract: EPW11030

Case No.: 43395

SAS/Client No.: NA

SDG No.: A4C19

Matrix: Soil

Lab Sample ID: E1925-03

Lab File ID: PO008787.D

Date Received: 04/19/2013

Date Extracted: 04/23/2013

Date Analyzed: 04/25/2013

Sample Wt./Vol. (g/mL): 30.0 g

% Moisture: 0.0

Decanted: No

Extraction Type: SOXH

Conc. Extract Vol. (uL): 10000

Injection Vol. (uL): 1.0

GPC Cleanup: No

pH: NA

Sulfur Cleanup: No

Dilution Factor: 1.0

Units: ug/Kg

Analysis Method: SOM01.2

Scoring Method: SOM01.2

Comments:

[illegible]

# PES SCORING EVALUATION REPORT

PES ASX0179

Rev: 1 EPA Sample No.: A4C31

Report Date: 05/21/2013

Page 1 of 1

Lab Name: Chemtech Consulting Group

Contract: EPW11030

SDG No.: A4C19

Lab File ID: PO008799.D

Date Analyzed: 04/25/2013

Decanted: No

Injection Vol. (uL): 1.0

Sulfur Cleanup: No

Case No.: 43395

Matrix: Soil

Date Received: 04/19/2013

Sample Wt./Vol. (g/mL): 30.0 g

Extraction Type: SOXH

GPC Cleanup: No

Dilution Factor: 1.0

Lab Code: CHEM

SAS/Client No.: NA

Lab Sample ID: E1925-15

Date Extracted: 04/23/2013

% Moisture: 0.0

Conc. Extract Vol. (uL): 10000

pH: NA

Units: ug/Kg

Analysis Method: SOM01.2

Scoring Method: SOM01.2

Comments:

[illegible]

# PES SCORING EVALUATION REPORT

Rev: 1 EPA Sample No.: A4C32

Page 1 of 1

Case No.: 43395

Date Received: 04/19/2013

Extraction Type: SOXH

Dilution Factor: 1.0

SAS/Client No.: NA

Date Extracted: 04/23/2013

Conc. Extract Vol. (uL): 10000

Units: ug/Kg

Scoring Method: SOM01.2

[illegible]

EPA - NE - Data Validation Worksheet  
VOA/SV - Pest/PCB - XIII

### XIII. SAMPLE QUANTITATION

If no PE, do sample calculation.

Recalculate, from the raw data, the concentration for one positive detect and one reported sample quantitation limit (SQL) for a non-detect in a diluted sample or soil sample per fraction. (Note: Although Section XIII, C 2. a. requires that one calculation for each fraction in each sample be performed, the validator is only required to reproduce an example, for each fraction, of one positive detect and one SQL calculation on this worksheet.)

Fraction		Calculation*	
<b>VOC</b>		Detect:	Non-detect QL:
Sample No.:			
Reported Compound:			
Reported Value:			
Non-detected Compound:			
Reported Quantitation Limit:			
<b>SVOC</b>		Detect:	Non-detect QL:
Sample No.:			
Reported Compound:			
Reported Value:			
Non-detected Compound:			
Reported Quantitation Limit:			
<b>P/PCB</b>		Detect:	Non-detect QL:
Sample No.:	A4C22		$33 \text{ mg/kg} \cdot \frac{50\%}{30\%} = 71 \text{ U}$
Reported Compound:	NA		
Reported Value:			
Non-detected Compound:	ALL		
Reported Quantitation Limit:	71 U		

\* - NA for Tier II if PE score is OK.

Do all soil/sediment samples have % solids greater than 30%? Y N If solids <30%, have sample volumes been increased sufficiently to compensate? Y N  
If no, list sample numbers \_\_\_\_\_

Validator: Mahany

Date: 7/10/13

- 1520 hrs: Surface soil sample P001-SS-08A (Sample #: JCS-501) was collected with a metal scoop at a depth of 0 to 6 inches bgs from residential property P001 at surface soil sample location P001-SS-08, located on the southern bank of the stream, 50 feet east of P001-SS-07, and later submitted for PCB field screening analysis.
- 1530 hrs: Surface soil sample P001-SS-01A (Sample #: JCS-481) was collected with a metal scoop at a depth of 0 to 6 inches bgs from residential property P001 at surface soil sample location P001-SS-01, located directly adjacent to the residence beneath the former location of a recently demolished deck, and later submitted for PCB field screening analysis.
- 1535 hrs: Surface soil sample P001-SS-08B (Sample #: JCS-502) was collected with a hand auger at a depth of 6 to 10 inches bgs from surface soil sample location P001-SS-08 (see above) and later submitted for PCB field screening analysis. No 'C' interval was collected for surface soil sample location P001-SS-08 due to refusal.
- 1540 hrs: Surface soil sample P001-SS-01B (Sample #: JCS-482) was collected with a hand auger at a depth of 6 to 12 inches bgs from surface soil sample location P001-SS-01 (see above) and later submitted for PCB field screening analysis.
- 1550 hrs: Surface soil sample P001-SS-01C (Sample #: JCS-483) was collected with a hand auger at a depth of 12 to 24 inches bgs from surface soil sample location P001-SS-01 (see above) and later submitted for PCB field screening analysis.
- 1600 hrs: START Team Members reviewed and turned in completed surface soil data sheets for each sample location.  
Sample aliquots for PCB field screening, collected to date, were transferred to EPA chemist Clifford for processing and PCB field screening analyses.
- 1630 hrs: START personnel secured IDW drums, secured the site and departed the Jard property.

#### 16 April 2013 (Tuesday) – Sediment Sampling

Weather: Partly cloudy, 45 to 50 °F

- 0730 hrs: START members Kelly, Hornok, Bitzas, Dupree, Robinson, Saylor, Christine Scesny, and Sharp arrived at the Jard property.
- 0745 hrs: START HSC Kelly reviewed the site HASP and conducted a tailgate health and safety meeting for all on-site START personnel, including reviews of the physical hazards (uneven terrain, trips-slips-falls, working near water, heavy lifting, traffic concerns, potential adverse weather conditions), chemical hazards (PCBs), Radiation (Not encountered previously but will be monitored) and biological hazards (ticks, poison ivy, thorn bushes, snakes, dogs, animals). Personnel reviewed and signed the HASP documentation, as needed. START members completed calibration checks on air monitoring instrument; MultiRAE Plus, LEL, O<sub>2</sub>, H<sub>2</sub>S, CO, and PID meter. Background ambient readings: LEL = 0%; O<sub>2</sub> = 20.9%; H<sub>2</sub>S = 0 ppm; CO = 0 ppm; and VOC = 0 ppm.  
START Team established decontamination area and conduct decontamination of non-sample SD-50A (Sample #: JCS-556) was collected using a metal scoop at a depth of 0 to 6 inches bgs from a background wetland (PEM) area located north of the Jard property and later submitted for PCB field screening analysis.
- 0850 hrs: Sediment sample SD-50B (Sample #: JCS-557) was collected using a hand auger at a depth of 6 to 12 inches bgs from a background wetland (PEM) area located north of the Jard property and later submitted for PCB field screening analysis.
- 0855 hrs: Sediment sample SD-50C (Sample #: JCS-558) was collected using a hand auger at a depth of 12 dedicated equipment. Non-dedicated equipment (augers, metal scoops, etc.) will be

decontaminated after the collection of each sample, and prior to use for the collection of other samples.

- 0830 hrs: START members Bitzas and Hornok began documenting previously mapped/delineated wetland area located west of Park Street. In addition, START members Kelly and Sharp began marking sediment sample locations, first in the background wetland located north of the Jard property and then in the area west of Park Street. Additional START personnel mobilized to the background wetland located north of the Jard property to begin sampling.
- 0845 hrs: Sediment to 24 inches bgs from a background wetland (PEM) area located north of the Jard property and later submitted for PCB field screening analysis.
- 0930 hrs: Sediment sample SD-51A (Sample #: JCS-559) was collected using a metal scoop at a depth of 0 to 6 inches bgs from a background wetland (PEM) area located north of the Jard property and later submitted for PCB field screening analysis.
- 0940 hrs: Sediment sample SD-51B (Sample #: JCS-560) was collected using a hand auger at a depth of 6 to 12 inches bgs from a background wetland (PEM) area located north of the Jard property and later submitted for PCB field screening analysis.
- 0945 hrs: Sediment sample SD-51C (Sample #: JCS-561) was collected using a hand auger at a depth of 12 to 24 inches bgs from a background wetland (PEM) area located north of the Jard property and later submitted for PCB field screening analysis.
- 0950 hrs: Sediment sample SD-52A (Sample #: JCS-562) was collected using a metal scoop at a depth of 0 to 6 inches bgs from a background wetland (PEM) area located north of the Jard property and later submitted for PCB field screening analysis.
- 0955 hrs: Sediment sample SD-52B (Sample #: JCS-563) was collected using a hand auger at a depth of 6 to 12 inches bgs from a background wetland (PEM) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1000 hrs: Sediment sample SD-52C (MS/MSD) (Sample #: JCS-564) was collected using a hand auger at a depth of 12 to 24 inches bgs from a background wetland (PEM) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1020 hrs: Sediment sample SD-53A (Sample #: JCS-565) was collected using a metal scoop at a depth of 0 to 6 inches bgs from a background wetland (PSS) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1025 hrs: Sediment sample SD-53B (Sample #: JCS-566) was collected using a hand auger at a depth of 6 to 12 inches bgs from a background wetland (PSS) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1030 hrs: Sediment sample SD-53C (Sample #: JCS-567) was collected using a hand auger at a depth of 12 to 24 inches bgs from a background wetland (PSS) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1100 hrs: Sediment sample SD-54A (Sample #: JCS-568) was collected using a metal scoop at a depth 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1735 hrs: Sediment sample SD-18B (Sample #: JCS-509) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1800 hrs: START Team Members reviewed and turned in completed sediment sample data sheets for each sample location. Note that samples were generally collected in sequence from downstream to upstream locations. However, due to the limited water flow and direct flow path between sample locations, there does not appear to be any potential cross-contamination influence as a of 0 to 6 inches bgs from a background wetland (PSS) area located north of the Jard property and later submitted for PCB field screening analysis.



- 1105 hrs: Sediment sample SD-54B (Sample #: JCS-569) was collected using a hand auger at a depth of 6 to 12 inches bgs from a background wetland (PSS) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1110 hrs: Sediment sample SD-54C (Sample #: JCS-570) was collected using a hand auger at a depth of 12 to 24 inches bgs from a background wetland (PSS) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1125 hrs: Sediment sample SD-55A (Sample #: JCS-571) was collected using a metal scoop at a depth of 0 to 6 inches bgs from a background wetland (PSS) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1130 hrs: Sediment sample SD-55B (Sample #: JCS-572) was collected using a hand auger at a depth of 6 to 12 inches bgs from a background wetland (PSS) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1135 hrs: Sediment sample SD-55C (Sample #: JCS-573) was collected using a hand auger at a depth of 12 to 24 inches bgs from a background wetland (PSS) area located north of the Jard property and later submitted for PCB field screening analysis.
- 1315 hrs: Sediment sample SD-48A (Sample #: JCS-553) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from an area directly adjacent to the unnamed stream located west of the Jard property and which drains the wetland area on property P030. The sample was later submitted for PCB field screening analysis. Note that samples are being collected from downstream to upstream locations. However, due to the limited water and flow, there does not appear to be any potential cross-contamination influence as a result of stirring up the sediment at adjacent sampling locations.
- 1320 hrs: Sediment sample SD-48B (Sample #: JCS-554) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from an area directly adjacent to the unnamed stream located west of the Jard property and which drains the wetland area on property P030. The sample was later submitted for PCB field screening analysis.  
In addition, sediment sample SD-49A (Sample #: JCS-555) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the unnamed stream located west of the Jard property and which drains the wetland area on property P030. The sample was later submitted for PCB field screening analysis.
- 1325 hrs: Sediment sample SD-47A (Sample #: JCS-551) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the unnamed stream located west of the Jard property and which drains the wetland area on property P030. The sample was later submitted for PCB field screening analysis..
- 1330 hrs: Sediment sample SD-46A (Sample #: JCS-550) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the unnamed stream located west of the Jard property and which drains the wetland area on property P030. The sample was later submitted for PCB field screening analysis.
- 1335 hrs: Sediment sample SD-45A (Sample #: JCS-549) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the unnamed stream located west of the Jard property and which drains the wetland area on property P030. The sample was later submitted for PCB field screening analysis.  
In addition, sediment sample SD-47B (Sample #: JCS-552) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the unnamed stream located west of the Jard property and which drains the wetland area on property P030. The sample was later submitted for PCB field screening analysis.
- 1340 hrs: Sediment sample SD-43A (Sample #: JCS-547) was collected using a metal scoop at a depth of 0 to 6 inches below the sediment-water interface from the unnamed stream located west of

the Jard property and which drains the wetland area on property P030. The sample was later submitted for PCB field screening analysis.

In addition, sediment sample SD-44A (Sample #: JCS-548) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the unnamed stream located west of the Jard property and which drains the wetland area on property P030. The sample was later submitted for PCB field screening analysis.

- 1344 hrs: Sediment sample SD-42A (Sample #: JCS-545) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1349 hrs: Sediment sample SD-42B (Sample #: JCS-546) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1350 hrs: Sediment sample SD-41A (Sample #: JCS-544) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1355 hrs: Sediment sample SD-40A (Sample #: JCS-543) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1405 hrs: Sediment sample SD-39A (Sample #: JCS-542) was collected using a hand auger at a depth of 0 to 8 inches below the sediment-water interface from the stream that runs behind property P041 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.
- 1445 hrs: Sediment sample SD-38A (Sample #: JCS-541) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the stream that runs through residential property P005 located west of the Jard property on Park Street. The sample was later submitted for PCB field screening analysis.
- 1448 hrs: Sediment sample SD-36A (Sample #: JCS-538) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the stream that runs through residential property P006 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.
- 1450 hrs: Sediment sample SD-37A (Sample #: JCS-540) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the stream that runs through residential property P005 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.
- 1452 hrs: Sediment sample SD-36B (Sample #: JCS-539) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the stream that runs through residential property P006 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.
- 1455 hrs: Sediment sample SD-35A (Sample #: JCS-537) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the stream that runs through property P032 and Duck Pond located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis. Weather conditions change from light to heavy rain.
- 1500 hrs: Sediment sample SD-34A (Sample #: JCS-536) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the stream that runs through property

P032 and Duck Pond located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.

1505 hrs: Sediment sample SD-32A (Sample #: JCS-534) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the pond that exists on residential property P011 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.

In addition, sediment sample SD-33A (Sample #: JCS-535) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the stream that runs through property P031 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.

1510 hrs: Sediment sample SD-31A (Sample #: JCS-532) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the pond that exists on residential property P011 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.

1513 hrs: Sediment sample SD-31B (Sample #: JCS-533) was collected using a hand auger at a depth of 12 to 18 inches below the sediment-water interface from the pond that exists on residential property P011 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.

1515 hrs: Sediment sample SD-30A (Sample #: JCS-530) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the pond that exists on residential property P011 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.

1520 hrs: Sediment sample SD-30B (Sample #: JCS-531) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the pond that exists on residential property P011 located west of the Jard property along Park Street. The sample was later submitted for PCB field screening analysis.

1540 hrs: Sediment sample SD-19A (Sample #: JCS-510) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.

In addition, sediment sample SD-20A (Sample #: JCS-512) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.

1542 hrs: Sediment sample SD-19B (Sample #: JCS-511) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.

1545 hrs: Sediment sample SD-20B (Sample #: JCS-513) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.

In addition, sediment sample SD-25A (Sample #: JCS-520) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.

1550 hrs: Sediment sample SD-25B (Sample #: JCS-521) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the wetland area located west of the

- Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1555 hrs: Sediment sample SD-26A (Sample #: JCS-522) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1600 hrs: Sediment sample SD-26B (Sample #: JCS-523) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1630 hrs: Equipment rinsate blank sample RB-30 (Sample #: JCW-028; CLP #: A4B54) was collected from hand auger sampling equipment (augers, scoops, etc.) associated with sediment sampling activities.
- 1650 hrs: Sediment sample SD-22A (Sample #: JCS-515) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1700 hrs: Sediment sample SD-21A (Sample #: JCS-514) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1703 hrs: Sediment sample SD-23A (Sample #: JCS-516) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1705 hrs: Sediment sample SD-23B (Sample #: JCS-517) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- In addition, sediment sample SD-28A (Sample #: JCS-526) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1706 hrs: Sediment sample SD-24A (Sample #: JCS-518) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- 1710 hrs: Sediment sample SD-24B (Sample #: JCS-519) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- In addition, sediment sample SD-28B (Sample #: JCS-527) was collected using a hand auger at a depth of 12 to 24 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.
- Also, sediment sample SD-29A (Sample #: JCS-528) was collected using a hand auger at a depth of 0 to 12 inches below the sediment-water interface from the wetland area located west of the Jard property on property P030. The sample was later submitted for PCB field screening analysis.

# COPY

SDG # A4C22

~~SDG # A4C19~~

Page 1 of 2

USEPA CLP Organics COC (LAB COPY)

Date Shipped: 4/18/2013

Carrier Name: FedEx

Airbill No: 5141 2418 1040

CHAIN OF CUSTODY RECORD

Case #: 43395

Cooler #: SB100/SB010

No: 1-041813-160255-0017

Lab: ChemTech Consulting Group

Lab Contact: Divya Mehta

Lab Phone: 908-789-8900

Organic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Inorganic Sample #	For Lab Use Only
A4C22	Sediment/ START	Grab	CLP PCBs(21)	842 (4 C) (1)	JCS-559	04/16/2013 09:30	A4C19	
A4C23	Sediment/ START	Grab	CLP PCBs(21)	844 (4 C) (1)	JCS-556	04/16/2013 08:45		
A4C24	Sediment/ START	Grab	CLP PCBs(21)	846 (4 C) (1)	JCS-561	04/16/2013 09:45		
A4C25	Sediment/ START	Grab	CLP PCBs(21), CLP PCBs(21)	848 (4 C), 849 (4 C) (2)	JCS-566	04/16/2013 10:25		
A4C26	Sediment/ START	Grab	CLP PCBs(21)	851 (4 C) (1)	JCS-570	04/16/2013 11:10		
A4C27	Sediment/ START	Grab	CLP PCBs(21)	853 (4 C) (1)	JCS-564	04/16/2013 10:00		
A4C28	Sediment/ START	Grab	CLP PCBs(21)	855 (4 C) (1)	JCS-514	04/16/2013 17:00		
A4C29	Sediment/ START	Grab	CLP PCBs(21)	857 (4 C) (1)	JCS-565	04/16/2013 10:20		
A4C30	Sediment/ START	Grab	CLP PCBs(21)	860 (4 C) (1)	JCS-585	04/16/2013 11:10		
A4C31	Soil/ START	Grab	CLP PCBs(21)	862 (4 C) (1)	JCS-586	04/17/2013 07:00		
A4C32	Soil/ START	Grab	CLP PCBs(21)	863 (4 C) (1)	JCS-587	04/17/2013 07:00		
A4C33	Soil/ START	Grab	CLP PCBs(21)	864 (4 C) (1)	JCS-341	04/11/2013 12:05		

Sample(s) to be used for Lab QC: A4C25	Shipment for Case Complete <input checked="" type="checkbox"/>
	Samples Transferred From Chain of Custody # N/A
Analysis Key: CLP PCBs=SOM01.2 Aroclors	

TEMP: 4°C

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples	Stupak	4/18/13	Airbill # 5141 2418 1040	4/18/13	1640						
						Samples					
						Airbill # 5141 2418 1040					

(Except: A4C22 & A4C23 all samples are in SDG # A4C19)  
(this is for re-analysis)

Jard Company  
Weston

LABORATORY NAME : CHEMTECH CONSULTING GROUP, INC.

CITY / STATE : MOUNTAINSIDE, NJ

CASE NO : 43395 SDG NO : A4C22

SDG NOs TO FOLLOW N/A N/A

MOD. REF. NO. : N/A N/A

CONTRACT NO : EPW11030

SOW NO : SOM 01.2

**JUN 17 2013**

All documents delivered in the Complete SDG File (CSF) must be original documents where possible.

		PAGE NOS:		CHECK	USEPA
	FROM	TO	LAB		
1.	Inventory Sheet (DC-2) (Do not number)				
2.	SDG Narrative	1	4	✓	✓
3.	SDG Cover Sheet/Traffic Report	5	6	✓	✓
4.	<b><u>Trace Volatiles Data</u></b>				
a.	<b>QC Summary</b>				
	Deuterated Monitoring Compound Recovery (Form II VOA-1 and VOA-2)	NA	NA	✓	✓
	Matrix Spike/Matrix Spike Duplicate Recover (Form III VOA) (if requested by USEPA Region)	NA	NA	✓	✓
	Method Blank Summary (Form IV VOA)	NA	NA	✓	✓
	GC/MS Instrument Performance Check (Form V VOA)	NA	NA	✓	✓
	Internal Standard Area and RT Summary (Form VIII VOA)	NA	NA	✓	✓
b.	<b>Sample Data</b>	NA	NA	✓	✓
	TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)			✓	✓
	Tentatively Identified Compounds (Form I VOA-TIC)			✓	✓
	Reconstructed total ion chromatograms (RIC) for each sample			✓	✓
	<b>For each sample:</b>				
	Raw Spectra and background-subtracted mass spectra of target compounds identified			✓	✓
	Quantitation reports			✓	✓
	Mass Spectra of all reported TICs with three best library matches			✓	✓
c.	<b>Standards Data (All Instruments)</b>	NA	NA		
	Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)			✓	✓
	RICs and Quantitation Reports for all Standards			✓	✓
	Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)			✓	✓
	RICs and Quantitation Reports for all Standards			✓	✓
d.	<b>Raw/Quality Control</b>				
	BFB	NA	NA	✓	✓
	Blank Data	NA	NA	✓	✓
	Matrix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)	NA	NA	✓	✓

## Evidence Audit Photocopy

**ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET  
FORM DC-2**

CASE NO : <b>43395</b>	SDG NO : <b>A4C22</b>	SDG NOs TO FOLLOW : <b>N/A</b>
N/A	N/A	MOD. REF. NO : <b>N/A</b>

<p><b>e. Trace SIM Data (Place at the end of the Trace Volatiles Section</b>          [Form I VOA-SIM; Form II VOA-SIM1 and VOA-SIM2; Form IV-VOA-SIM; Form VI VOA-SIM; Form VII VOA-SIM; Form VIII VOA-SIM; and all raw data for QC, Samples, and Standards.]</p>	NA	NA	/	/
<p><b>5. Low/Med Volatiles Data</b></p> <p><b>a. QC Summary</b></p> <p>Deuterated Monitoring Compound Recovery (Form II VOA-1, VOA-2, VOA-3, VOA-4)</p> <p>Matrix Spike/Matrix Spike Duplicate Recovery (Form III VOA-1 and VOA-2) (if requested by USEPA Region)</p> <p>Method Blank Summary (Form IV VOA)</p> <p>GC/MS Instrument Performance Check (Form V VOA)</p> <p>Internal Standard Area and RT Summary (Form VIII VOA)</p> <p><b>b. Sample Data</b></p> <p>TCL Results - Organics Analysis Data Sheet (Form I VOA-1 and VOA-2)</p> <p>Tentatively Identified Compounds (Form I VOA-TIC)</p> <p>Reconstructed total ion chromatograms (RIC) for each sample</p> <p><b>For each sample:</b></p> <p>Raw Spectra and background-subtracted mass spectra of target compounds identified</p> <p>Quantitation reports</p> <p>Mass Spectra of all reported TICs with three best library matches</p> <p><b>c. Standards Data (All Instruments)</b></p> <p>Initial Calibration Data (Form VI VOA-1, VOA-2, VOA-3)</p> <p>RICs and Quantitation Reports for all Standards</p> <p>Continuing Calibration Data (Form VII VOA-1, VOA-2, VOA-3)</p> <p>RICs and Quantitation Reports for all Standards</p> <p><b>d. Raw/Quality Control (QC) Data</b></p> <p>BFB</p> <p>Blank Data</p> <p>Matrix Spike/Matrix Spike Duplicate Data (if requested by USEPA Region)</p>	NA	NA	/	/

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**ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET  
FORM DC-2**

CASE NO : <b>43395</b>	SDG NO : <b>A4C22</b>	SDG NOs TO FOLLOW : <b>N/A</b>
N/A	N/A	MOD. REF. NO : <b>N/A</b>

**6. Semivolatiles Data**

**a. QC Summary**

Deuterated Monitoring Compound Recovery (Form II SV-1, SV-2, SV-3, SV-4)	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III SV-1 and SV-2) (if requested by USEPA Region)	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Method Blank Summary (Form IV SV)	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GC/MS Instrument Performance Check (Form V SV)	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Internal Standard Area and RT Summary (Form VIII SV-1 and SV-2)	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**b. Sample Data**

TCL Results - Organics Analysis Data Sheet (Form I SV-1 and SV-2)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tentatively Identified Compounds (Form I SV-TIC)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reconstructed total ion chromatograms (RIC) for each sample			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
For each sample:	NA	NA		
Raw Spectra and background-subtracted mass spectra of target compounds			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Quantitation reports			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mass Spectra of TICs with three best library matches			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GPC chromatograms (if GPC is r			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**c. Standards Data (All Instruments)**

Initial Calibration Data (Form VI SV-1, SV-2, SV-3)	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RICs and Quantitation			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuing Calibration Data (Form VII SV-1, S			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RICs and Quantitation Reports for all Standards			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**d. Raw (QC)Data**

DFTPP	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Blank Data	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MS/MSD Data (if requested by USEPA Region)	NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**e. Raw GPC Data**

NA	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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**Evidence Audit Photocopy**



**ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET  
FORM DC-2**

CASE NO : <b>43395</b>	SDG NO : <b>A4C22</b>	SDG NOs TO FOLLOW : <b>N/A</b>
N/A	N/A	MOD. REF. NO : <b>N/A</b>

Semivolatile SIM Data

NA NA ✓ ✓

[Form I SV-SIM; Form II SV-SIM1 and SV-SIM2; Form III-SV-SIM1 and SV-SIM2 (if required; Form IV SV-SIM; Form VI SV-SIM; Form VII SV-SIM; Form VIII SV-SIM1 and SV-SIM2; and all raw data for QC, Samples, and Standards.]

**7. Pesticides Data**

**a. QC Summary**

Surrogate Recovery Summary (Form II PEST-1 and PEST-2)

NA NA ✓ ✓

Matrix Spike/Matrix Spike Duplicate Recovery Summary (Form III PEST-1 and PEST-2)

NA NA ✓ ✓

Laboratory Control Sample Recovery (Form III PEST-3 and PEST-4)

NA NA ✓ ✓

Method Blank Summary (Form IV PEST)

NA NA ✓ ✓

**b. Sample Data**

TCL Results - Organics Analysis Data Sheet (Form I PEST)

✓ ✓

Chromatograms (Primary Column)

✓ ✓

Chromatograms from second GC column confirmation

✓ ✓

GC Integration report or data system printout

✓ ✓

Manual work sheets

✓ ✓

For Pesticides by GC/MS

✓ ✓

Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)

✓ ✓

**c. Standards Data**

NA NA

Initial Calibration of Single Component Analytes (Form VI PEST-1 and PEST-2)

✓ ✓

Toxaphene Initial Calibration (Form VI PEST-3 and PEST-4)

✓ ✓

Analyte Resolution Summary (Form VI PEST-5, per column)

✓ ✓

Performance Evaluation Mixture (Form VI PEST-6)

✓ ✓

Individual Standard Mixture A (Form VI PEST-7)

✓ ✓

Individual Standard Mixture B (Form VI PEST-8)

✓ ✓

Individual Standard Mixture C (Form VI PEST-9 and PEST-10)

✓ ✓

Calibration Verification Summary (Form VII PEST-1)

✓ ✓

Calibration Verification Summary (Form VII PEST-2)

✓ ✓

**Evidence Audit Photocopy**

**ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET  
FORM DC-2**

CASE NO : <b>43395</b>	SDG NO : <b>A4C22</b>	SDG NOs TO FOLLOW : <b>N/A</b>
<b>N/A</b>	<b>N/A</b>	MOD. REF. NO : <b>N/A</b>

Calibration Verification Summary (Form VII PEST-3)	✓	✓
Calibration Verification Summary (Form VII PEST-4)	✓	✓
Analytical Sequence (Form VIII PEST)	✓	✓
Florisil Cartridge Check (Form IX PEST-1)	✓	✓
Pesticide GPC Calibration (Form IX PEST-2)	✓	✓
Identification Summary for Single Component Analytes (Form X PEST-1)	✓	✓
Identification Summary for Toxaphene Form X PEST-2)	✓	✓
Chromatograms and data system printouts		
A printout of Retention Times and corresponding peak areas or peak heights	✓	✓

**d. Raw QC Data**

Blank Data	NA	NA	✓	✓
Matrix Spike/Matrix Spike Duplicate Data	NA	NA	✓	✓
Laboratory Control Sample	NA	NA	✓	✓

**e. Raw GPC Data**

NA	NA	✓	✓
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**f. Raw Florisil Data**

NA	NA	✓	✓
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**8. Aroclor Data**

**a. QC Summary**

Surrogate Recovery Summary (Form II ARO-1 and ARO-2)	7	7	✓	✓
Matrix Spike/Matrix Spike Duplicate Summary (Form III ARO-1 and ARO-2)	8	9	✓	✓
Laboratory Control Sample Recovery (Form III ARO-3 and ARO-4)	10	10	✓	✓
Method Blank Summary (Form IV ARO)	11	11	✓	✓

**b. Sample Data**

TCL Results - Organics Analysis Data Sheet (Form I ARO)	NA	NA	✓	✓
Chromatograms (Primary Column)	NA	NA	✓	✓
Chromatograms from second GC column confirmation	NA	NA	✓	✓
GC Integration report of data system printout	NA	NA	✓	✓
Manual work sheets	NA	NA	✓	✓
For Aroclors by GC/MS	NA	NA	✓	✓

**Evidence Audit Photocopy**

**ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET  
FORM DC-2**

CASE NO : <b>43395</b>	SDG NO : <b>A4C22</b>	SDG NOs TO FOLLOW : <b>N/A</b>
N/A	N/A	MOD. REF. NO : <b>N/A</b>

Copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)

**c. Standards Data**

Aroclors Initial Calibration (Form VI ARO-1, ARO-2, and ARO-3)  
 Calibration Verification Summary (Form VII ARO-1)  
 Analytical Sequence (Form VIII ARO)  
 Identification Summary for Multicomponent Analytes (Form X ARO)  
 Chromatograms and data system printouts  
 A printout of Retention Times and corresponding peak areas or peak heights

<u>18</u>	<u>60</u>		
		✓	✓
		✓	✓
		✓	✓
		✓	✓
		✓	✓

**d. Raw QC Data**

Blank Data  
 Matrix Spike/Matrix Spike Duplicate Data  
 Laboratory Control Sample (LCS) Data

<u>61</u>	<u>77</u>		
		✓	✓
<u>78</u>	<u>85</u>	✓	✓
		✓	✓
<u>86</u>	<u>89</u>	✓	✓
		✓	✓
<u>NA</u>	<u>NA</u>	✓	✓

**e. Raw GPC Data (if performed)**

**9. Miscellaneous Data**

Original preparation and analysis forms or copies of preparation and analysis logbook pages  
 Internal sample and sample extract transfer chain-of-custody records  
 Screening records  
 All instrument output, including strip charts from screening activities (describe or list)

<u>90</u>	<u>118</u>		
		✓	✓
<u>123</u>	<u>123</u>	✓	✓
		✓	✓
<u>NA</u>	<u>NA</u>	✓	✓

**10. EPA Shipping/Receiving Documents**

Airbills (No. of shipments 1)  
 Chain of Custody Records  
 Sample Tags  
 Sample Log-in Sheet (Lab & DC-1)  
 Miscellaneous Shipping/Receiving Records (describe or list)

<u>119</u>	<u>119</u>		
		✓	✓
<u>120</u>	<u>120</u>	✓	✓
		✓	✓
<u>121</u>	<u>122</u>	✓	✓

**Evidence Audit Photocopy**

**ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET  
FORM DC-2**

CASE NO : 43395	SDG NO : A4C22	SDG NOs TO FOLLOW : N/A
N/A	N/A	MOD. REF. NO : N/A


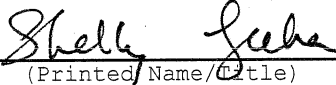
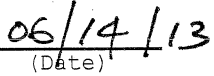

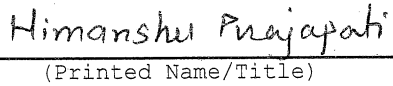
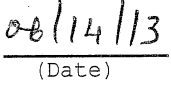

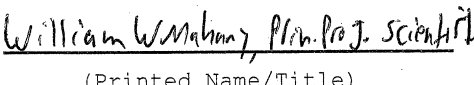
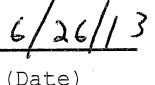
**11. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)**

Sample Transfer	123	123	✓	✓
-----------------	-----	-----	---	---

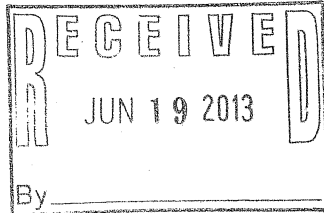
**12. Other Records (describe or list)**

Telephone Communication Log	124	143	✓	✓

**13. Comments**

Completed by: (CLP Lab)	 (Signature)	 (Printed Name/Title)	 (Date)
Verified by: (CLP Lab)	 (Signature)	 (Printed Name/Title)	 (Date)
Audited by: (USEPA) <i>Weston</i>	 (Signature)	 (Printed Name/Title)	 (Date)

**Evidence Audit Photocopy**



# COPY

EPA NEW ENGLAND  
COMPLETE SDG FILE  
RECEIPT / TRANSFER FORM

Site: Jard Company Inc.

TOD: ~~09~~<sup>12</sup>-10-0008

Task: 0850

Case: 43395

SDG: A4C22

Receipt Date	Received By : Name	Init.	Affiliation	CSF Activity	Custody Seals Present / Intact	Released To	Date
06/17/13	Doris Guzman	DG	ESAT	Received for Transfer	Y N    Y N	Weston	06/17-1-13
6/19/13	Bill Mahony	(B)	Weston	Storage + validation	(Y) N    (Y) N		
					Y N    Y N		
					Y N    Y N		
					Y N    Y N		
					Y N    Y N		
					Y N    Y N		
					Y N    Y N		
					Y N    Y N		
					Y N    Y N		
					Y N    Y N		
					Y N    Y N		

## EPA-NE - DQO SUMMARY FORM

A separate Form should be completed for each sampling event. Refer to Attachment A for instructions on completing this form, Attachment B for a complete list of the parameter codes and Attachment C for an example of a completed form.

1. EPA Program: TSCA <u>CERCLA</u> RCRA DW NPDES CAA Other: _____ Projected Date(s) of Sampling <u>Spring (April/May) 2013</u> EPA Site Manager <u>Martha Bosworth</u> EPA Case Team Members _____ _____ _____	Site Name <u>Jard Company Inc</u> Site Location <u>Bennington, Vermont</u> Assigned Site Latitude/Longitude <u>42° 53' 21.5" north/73° 11' 21.9" west</u> CERCLA Site/Spill Identifier No <u>VT048141741</u> (Include Operable Unit) Phase: ERA <u>SA/SI</u> pre-RI RI (phase I, etc.) FS RD RA post-RA (circle one) Other: <u>Site Reassessment</u>								
2. QAPP Title and Revision Date <u>Site Assessment Program Site Specific Quality Assurance Project Plan for Surface and Subsurface Soil/Source, Ground Water, and Sediment Sampling Jard Company Inc, Bennington, Vermont dated 11 January 2013</u> Approved by: <u>Martha Bosworth</u> Date of Approval: <u>TBD</u> Title of Approving Official: <u>Site Assessment Manager</u> Organization*: <u>EPA</u> *If other than EPA, record date approval authority was delegated: _____  EPA Oversight Project (circle one) <u>Y</u> <u>N</u> Type of EPA Oversight (circle one) PRP or FF Other: _____ Confirmatory Analysis for Field Screening <u>Y</u> <u>N</u> If EPA Oversight or Confirmatory: % splits <u>TBD</u> Are comparability criteria documented? <u>Y</u> <u>N</u>									
3. a.	Matrix Code <sup>1</sup>	SO	SO	SO	GW	GW	SD	SD	SD
b.	Parameter Code <sup>2</sup>	PCB Aroclors	PCB Aroclors	PCB Congeners	PCB Aroclors	PCB Congeners	PCB Aroclors	PCB Aroclors	PCB Congeners
c.	Preservation Code <sup>3</sup>	5	5	5	5	5	5	5	5
d.	Analytical Services Mechanism	DAS or CLP	DAS or CLP	CLP	DAS or CLP	DAS or CLP	DAS or CLP	DAS or CLP	CLP
e.	No. of Sample Locations	65	28	2	21	2	60	60	60
f.	<b>Field QC:</b> Field Duplicate Pairs	4	2		2	5	5	5	5
g.	Equipment Blanks	See RB	See RB	See RB	See RB	See RB	See RB	See RB	See RB
h.	VOA Trip Blanks	0	0	0	0	0	0	0	0
i.	Cooler Temperature Blanks	1 per cooler	1 per cooler	1 per cooler	1 per cooler	1 per cooler	1 per cooler	1 per cooler	1 per cooler
j.	Bottle Blanks	0	0	0	0	0	0	0	0
k.	Other: _____								
l.	PES sent to Laboratory	NA	6	TBD	3	TBD	NA	3	TBD
m.	<b>Laboratory QC:</b> Reagent Blank	0	0	0	0	0	0	0	0
n.	Duplicate	0	0	0	0	0	0	0	0
o.	Matrix Spike	0	2	0	1	0	1	0	0
p.	Matrix Spike Duplicate	0	2	0	1	0	1	0	0
q.	Other: _____								
4. Site Information Site Dimensions <u>Approximately 11.26 acres</u> List all potentially contaminated matrices <u>Surface and subsurface soil, sediment, ground water, and residential surface soil</u> Range of Depth to Groundwater <u>greater than 5 feet</u> Soil Types: <u>Surface</u> <u>Subsurface</u> Other: <u>Other</u> Sediment Types: <u>Stream</u> <u>Pond</u> <u>Estuary</u> <u>Wetland</u> Other: _____ Expected Soil/Sediment Moisture Content: <u>High</u> <u>Low</u>									

1. EPA Program: TSCA <u>CERCLA</u> RCRA DW NPDES CAA Other: _____ Projected Date(s) of Sampling <u>Spring (April/May) 2013</u> EPA Site Manager <u>Martha Bosworth</u> EPA Case Team Members _____ _____	Site Name <u>Jard Company Inc</u> Site Location <u>Bennington, Vermont</u> Assigned Site Latitude/Longitude <u>42° 53' 21.5" north/73° 11' 21.9" west</u> CERCLA Site/Spill Identifier No <u>VTD048141741</u> (Include Operable Unit) Phase: ERA <u>SA/SI</u> pre-RI RI (phase I, etc.) FS RD RA post-RA (circle one) <u>Other: Site Reassessment</u>								
2. QAPP Title and Revision Date <u>Site Assessment Program Site Specific Quality Assurance Project Plan for Surface and Subsurface Soil/Source, Ground Water, and Sediment Sampling Jard Company Inc, Bennington, Vermont dated 11 January 2013</u> Approved by: <u>Martha Bosworth</u> Date of Approval: <u>TBD</u> Title of Approving Official: <u>Site Assessment Manager</u> Organization*: <u>EPA</u> *If other than EPA, record date approval authority was delegated: _____  EPA Oversight Project (circle one) <u>Y</u> <u>N</u> Type of EPA Oversight (circle one) PRP or FF Other: _____ Confirmatory Analysis for Field Screening <u>Y</u> <u>N</u> If EPA Oversight or Confirmatory: % splits <u>TBD</u> Are comparability criteria documented? <u>Y</u> <u>N</u>									
3. a.	Matrix Code <sup>1</sup>	SS	SS	SS	RB				
b.	Parameter Code <sup>2</sup>	PCB Aroclors	PCB Aroclors	PCB Congeners	PCB Aroclors				
c.	Preservation Code <sup>3</sup>	5	5	5	5				
d.	Analytical Services Mechanism	DAS or CLP	DAS or CLP	CLP	CLP Non- RAS				
e.	No. of Sample Locations	125	38	2	21				
<b>Field QC:</b>									
f.	Field Duplicate Pairs	7	2		0				
g.	Equipment Blanks	See RB	See RB	See RB	0				
h.	VOA Trip Blanks	0	0	0	0				
i.	Cooler Temperature Blanks	1 per cooler	1 per cooler	1 per cooler	1 per cooler				
j.	Bottle Blanks	0	0	0	0				
k.	Other: _____								
l.	PES sent to Laboratory	NA	6	TBD	0				
<b>Laboratory QC:</b>									
m.	Reagent Blank	0	0	0	0				
n.	Duplicate	0	0	0	0				
o.	Matrix Spike	0	2	0	0				
p.	Matrix Spike Duplicate	0	2	0					
q.	Other: _____								
4. Site Information Site Dimensions <u>Approximately 11.26 acres</u> List all potentially contaminated matrices <u>Surface and subsurface soil, sediment, ground water, and residential surface soil</u> Range of Depth to Groundwater <u>greater than 5 feet</u> Soil Types: Surface Subsurface Other: <u>Other</u> Sediment Types: Stream Pond Estuary Wetland Other: _____ Expected Soil/Sediment Moisture Content: <u>High</u> Low									

When multiple matrices will be sampled during a sampling event, complete Sections 5-10 for each matrix.

Matrix Code<sup>1</sup> SO

5. Data Use (circle all that apply) Site Investigation/Assessment PRP Determination  
 Nature and Extent of Contamination Human and/or Ecological Risk Assessment Removal Actions  
 Engineering Design Remedial Action Remediation Alternatives  
 Post-Remedial Action (quarterly monitoring) Other: \_\_\_\_\_

Draft DQO Summary Form 11/96

6. Summarize DQOs: Collect surface and subsurface soil/source samples from the identified source area (capped former building footprint and excavated staged material) on the property for PCB Aroclors field screening and fixed based laboratory analysis in source areas on the Jard Company Inc property. A subset of samples will be submitted for fixed laboratory analysis with a smaller subset submitted for PCB Congener analysis.

Complete Table if applicable

COCs	Action Levels	Analytical Method-Quantitation Limits
PCB Aroclors (Field Screening)	Above Background (Assumed to be ND)	0.2 mg/Kg
PCB Aroclors (Fixed Lab)	Above Background (Assumed to be ND)	33 ug/kg
PCB Congeners	Above Background (Assumed to be ND)	20 to 100 ng/Kg

7. Sampling Method (circle technique) Bailer Low flow pump (Region I method: Yes No) Peristaltic Pump  
 Positive Displacement Pump Faucet or Spigot Other: \_\_\_\_\_  
 Split Spoon Dredge Trowel Other: Direct sampling
- Sampling Procedures (SOP name, No., Rev. #, and date) \_\_\_\_\_  
 List Background Sample Locations NA for source samples \_\_\_\_\_  
 Circle: Grab or Composite \_\_\_\_\_  
 "Hot spots" sampled: Yes No

8. Field Data (circle) ORP pH Specific Conductance Dissolved O<sub>2</sub> Temperature Turbidity  
 Other: \_\_\_\_\_

9. Analytical Methods and Parameters

Method title/SOP name	Method/SOP Identification number	Revision Date	Target Parameters (VOA, SV, Pest/PCB, Metals, etc.)
PCB Aroclors (Field Screening)	EIA-FLDPCB2.SOP		PCBs
PCB Aroclors	SOM01.2 or DAS Equivalent		PCBs
PCB Congeners	CBC01.0		PCB Congeners

10. Validation Criteria (circle one) 1. Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, Part II, III or IV  
 2. Other Approved Validation Criteria:  
 Validation Tier (circle one) I II III Partial Tier III:  
 Company/Organization Performing Data Validation Weston Solutions, Inc./START III Prime or Subcontractor (circle one)

11. Company Name Weston Solutions, Inc. Contract Number EP-W-05-042  
 Contract Name (e.g. START, RACS, etc.) START III Work Assignment No. 20114-081-998-0850  
 Person Completing Form/Title G. Hornok/Lead Project Scientist Date of DQO Summary Form Completion 11 January 2013



When multiple matrices will be sampled during a sampling event, complete Sections 5-10 for each matrix.

Matrix Code<sup>1</sup> GW

5. Data Use (circle all that apply) Site Investigation/Assessment PRP Determination Removal Actions  
 Nature and Extent of Contamination Human and/or Ecological Risk Assessment Remediation Alternatives  
 Engineering Design Remedial Action  
 Post-Remedial Action (quarterly monitoring) Other: \_\_\_\_\_

Draft DQO Summary Form 11/96

6. Summarize DQOs: Collect ground water samples from ground water monitoring wells previously installed on and off the property for PCB Aroclors fixed based laboratory analysis. A subset of samples will be submitted for PCB Congener analysis.

Complete Table if applicable

COCs	Action Levels	Analytical Method-Quantitation Limits
PCB Aroclors (Fixed Lab)	Above Background (Assumed to be ND)	1.0 µg/L
PCB Congeners	Above Background (Assumed to be ND)	100 to 1,000 pg/L

7. Sampling Method (circle technique) Bailer Low flow pump (Region I method: Yes No) Peristaltic Pump  
Positive Displacement Pump Faucet or Spigot Other: \_\_\_\_\_  
 Split Spoon Dredge Trowel Other: \_\_\_\_\_
- Sampling Procedures (SOP name, No., Rev. #, and date) \_\_\_\_\_  
 List Background Sample Locations Ground Water monitoring wells TBD  
 Circle: Grab or Composite \_\_\_\_\_  
 "Hot spots" sampled: Yes No

8. Field Data (circle) ORP pH Specific Conductance Dissolved O<sub>2</sub> Temperature Turbidity  
 Other: \_\_\_\_\_

9. Analytical Methods and Parameters

Method title/SOP name	Method/SOP Identification number	Revision Date	Target Parameters (VOA, SV, Pest/PCB, Metals, etc.)
PCB Aroclors	SOM01.2 or DAS Equivalent		PCBs
PCB Congeners	CBC01.0		PCB Congeners

10. Validation Criteria (circle one) 1. Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, Part II, III or IV  
 2. Other Approved Validation Criteria: \_\_\_\_\_  
 Validation Tier (circle one) I II III Partial Tier III: \_\_\_\_\_  
 Company/Organization Performing Data Validation Weston Solutions, Inc./START III Prime or Subcontractor (circle one)

11. Company Name Weston Solutions, Inc. Contract Number EP-W-05-042  
 Contract Name (e.g. START, RACS, etc.) START III Work Assignment No. 20114-081-998-0850  
 Person Completing Form/Title G. Hornok/Lead Project Scientist Date of DQO Summary Form Completion 11 January 2013

When multiple matrices will be sampled during a sampling event, complete Sections 5-10 for each matrix.

Matrix Code<sup>1</sup> SD

5. Data Use (circle all that apply) Site Investigation/Assessment PRP Determination Removal Actions  
 Nature and Extent of Contamination Human and/or Ecological Risk Assessment Remediation Alternatives  
 Engineering Design Remedial Action  
 Post-Remedial Action (quarterly monitoring) Other: \_\_\_\_\_

Draft DQO Summary Form 11/96

6. Summarize DQOs: Collect sediment samples from a wetland located west of Park Street for PCB Aroclors field screening and fixed based laboratory analysis. A subset of samples will be submitted for fixed laboratory analysis with a smaller subset submitted for PCB Congener analysis.

Complete Table if applicable

COCs	Action Levels	Analytical Method-Quantitation Limits
PCB Aroclors (Field Screening)	Above Background (Assumed to be ND)	0.2 mg/Kg
PCB Aroclors (Fixed Lab)	Above Background (Assumed to be ND)	33 ug/kg
PCB Congeners	Above Background (Assumed to be ND)	20 to 100 ng/Kg

7. Sampling Method (circle technique) Bailer Low flow pump (Region I method: Yes No) Peristaltic Pump  
 Positive Displacement Pump Faucet or Spigot Other:  
 Split Spoon Dredge Trowel Other: Direct sampling
- Sampling Procedures (SOP name, No., Rev. #, and date) \_\_\_\_\_  
 List Background Sample Locations Wetland area northeast of the Jard Company Inc property  
 Circle: Grab or Composite \_\_\_\_\_  
 "Hot spots" sampled: Yes No

8. Field Data (circle) ORP pH Specific Conductance Dissolved O<sub>2</sub> Temperature Turbidity  
 Other: \_\_\_\_\_

9. Analytical Methods and Parameters

Method title/SOP name	Method/SOP Identification number	Revision Date	Target Parameters (VOA, SV, Pest/PCB, Metals, etc.)
PCB Aroclors (Field Screening)	SOM01.2		PCBs
PCB Aroclors	SOM01.2 or DAS Equivalent		PCBs
Total Metals (including Hg)	CBC01.0		PCB Congeners

10. Validation Criteria (circle one) 1. Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, Part II, III or IV  
 2. Other Approved Validation Criteria:  
 Validation Tier (circle one) I II III Partial Tier III:  
 Company/Organization Performing Data Validation Weston Solutions, Inc./START III Prime or Subcontractor (circle one)

11. Company Name Weston Solutions, Inc. Contract Number EP-W-05-042  
 Contract Name (e.g. START, RACS, etc.) START III Work Assignment No. 20114-081-998-0850  
 Person Completing Form/Title G. Hornok/Lead Project Scientist Date of DQO Summary Form Completion 11 January 2013

When multiple matrices will be sampled during a sampling event, complete Sections 5-10 for each matrix.

Matrix Code<sup>1</sup> SS

5. Data Use (circle all that apply) Site Investigation/Assessment PRP Determination Removal Actions  
 Nature and Extent of Contamination Human and/or Ecological Risk Assessment Remediation Alternatives  
 Engineering Design Remedial Action  
 Post-Remedial Action (quarterly monitoring) Other: \_\_\_\_\_

Draft DQO Summary Form 11/96

6. Summarize DQOs: Collect surface soil samples from residential properties downgradient of the Jard Company Inc property and within 200 feet of the residences for PCB Aroclors field screening and fixed based laboratory analysis in source areas on the Jard Company Inc property. A subset of samples will be submitted for fixed laboratory analysis with a smaller subset submitted for PCB Congener analysis.

Complete Table if applicable

COCs	Action Levels	Analytical Method-Quantitation Limits
PCB Aroclors (Field Screening)	Above Background (Assumed to be ND)	0.2 mg/Kg
PCB Aroclors (Fixed Lab)	Above Background (Assumed to be ND)	33 ug/kg
PCB Congeners	Above Background (Assumed to be ND)	20 to 100 ng/Kg

7. Sampling Method (circle technique) Bailer Low flow pump (Region I method: Yes No) Peristaltic Pump  
 Positive Displacement Pump Faucet or Spigot Other:  
 Split Spoon Dredge Trowel Other: Direct sampling
- Sampling Procedures (SOP name, No., Rev. #, and date) \_\_\_\_\_  
 List Background Sample Locations Residential properties located north of the Jard Company Inc property  
 Circle: Grab or Composite \_\_\_\_\_  
 "Hot spots" sampled: Yes No

8. Field Data (circle) ORP pH Specific Conductance Dissolved O<sub>2</sub> Temperature Turbidity  
 Other: \_\_\_\_\_

9. Analytical Methods and Parameters

Method title/SOP name	Method/SOP Identification number	Revision Date	Target Parameters (VOA, SV, Pest/PCB, Metals, etc.)
PCB Aroclors (Field Screening)	SOM01.2		PCBs
PCB Aroclors	SOM01.2 or DAS Equivalent		PCBs
Total Metals (including Hg)	CBC01.0		PCB Congeners

10. Validation Criteria (circle one) 1. Region I, EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, Part II, III or IV  
 2. Other Approved Validation Criteria:  
 Validation Tier (circle one) I II III Partial Tier III:  
 Company/Organization Performing Data Validation Weston Solutions, Inc./START III Prime or Subcontractor (circle one)

11. Company Name Weston Solutions, Inc. Contract Number EP-W-05-042  
 Contract Name (e.g. START, RACS, etc.) START III Work Assignment No. 20114-081-998-0850  
 Person Completing Form/Title G. Hornok/Lead Project Scientist Date of DQO Summary Form Completion 11 January 2013

Matrix Codes<sup>1</sup> - Refer to Attachment B, Part I  
 Parameter Codes<sup>2</sup> - Refer to Attachment B, Part II

Preservation Codes<sup>3</sup>

1. HCl to pH ≤ 2
2. HNO<sub>3</sub>
3. NaHSO<sub>4</sub>
4. H<sub>2</sub>SO<sub>4</sub>
5. Cool @ 4°C (± 2)
6. NaOH

7. K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>
8. Freeze
9. Room Temperature (avoid excessive heat)
10. Other (Specify)
- N. Not preserved

\* - To supplement Matrix Codes and/or Parameter Codes contact the QA Unit